

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6111787

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NOKIA TECHNOLOGIES OY	08/22/2017

RECEIVING PARTY DATA

Name:	WSOU INVESTMENTS LLC
Street Address:	11150 SANTA MONICA BLVD.
Internal Address:	SUITE 1400
City:	LOS ANGELES
State/Country:	CALIFORNIA
Postal Code:	90025

PROPERTY NUMBERS Total: 114

Property Type	Number
Patent Number:	8223126
Patent Number:	8331493
Patent Number:	7889266
Patent Number:	9467530
Patent Number:	7684346
Patent Number:	8102882
Patent Number:	8019383
Patent Number:	8385517
Patent Number:	7996222
Patent Number:	7417620
Patent Number:	7403951
Patent Number:	8320924
Patent Number:	7359361
Patent Number:	7254399
Patent Number:	7511467
Patent Number:	8731914
Patent Number:	7821997
Patent Number:	7493030
Patent Number:	7398114

Defendant's
Exhibit
035

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PATENT
REEL: 052694 FRAME: 0303
WSOU-GOOALL-0000390

Property Type	Number
Patent Number:	7072637
Patent Number:	6760015
Patent Number:	6728241
Patent Number:	7448080
Patent Number:	6788690
Patent Number:	7788098
Patent Number:	6535155
Patent Number:	7684753
Patent Number:	6910191
Patent Number:	8375411
Patent Number:	6707855
Patent Number:	7269449
Patent Number:	6630925
Patent Number:	6985137
Patent Number:	6927384
Patent Number:	6542436
Patent Number:	6907568
Patent Number:	7424299
Patent Number:	6675219
Patent Number:	6928410
Patent Number:	7725600
Patent Number:	6798773
Patent Number:	6737933
Patent Number:	6771619
Patent Number:	7376625
Patent Number:	8966377
Patent Number:	7941754
Patent Number:	8065429
Patent Number:	7751135
Patent Number:	8761709
Patent Number:	8195452
Patent Number:	8290516
Patent Number:	8401565
Patent Number:	8291052
Patent Number:	8761082
Patent Number:	8495749
Patent Number:	8856226
Patent Number:	8199939

PATENT
REEL: 052694 FRAME: 0304
WSOU-GOOALL-0000391

Property Type	Number
Patent Number:	8892101
Patent Number:	8789204
Patent Number:	8335819
Patent Number:	8817626
Patent Number:	8724648
Patent Number:	8248997
Patent Number:	8737961
Patent Number:	8266551
Patent Number:	8489600
Patent Number:	8942638
Patent Number:	9144098
Patent Number:	8983763
Patent Number:	8351555
Patent Number:	9218605
Patent Number:	9245051
Patent Number:	8803697
Patent Number:	9055404
Patent Number:	9294883
Patent Number:	8914656
Patent Number:	8811207
Patent Number:	9307550
Patent Number:	9258354
Patent Number:	9398437
Patent Number:	8248941
Patent Number:	8724525
Patent Number:	8717966
Patent Number:	7126998
Patent Number:	7173961
Patent Number:	7006811
Patent Number:	7973823
Patent Number:	7991176
Patent Number:	7983309
Patent Number:	7870377
Patent Number:	8060913
Patent Number:	7937417
Patent Number:	7894823
Patent Number:	8045047
Patent Number:	8027288

PATENT
REEL: 052694 FRAME: 0305
WSOU-GOOALL-0000392

Property Type	Number
Patent Number:	7254484
Patent Number:	7200418
Patent Number:	7197318
Patent Number:	8065408
Patent Number:	7146168
Patent Number:	7260074
Patent Number:	7280482
Patent Number:	7873011
Patent Number:	8032330
Patent Number:	9170649
Patent Number:	8010669
Patent Number:	9189256
Patent Number:	9047267
Patent Number:	8966090
Patent Number:	9117203
Patent Number:	9111255
Patent Number:	9055512
Patent Number:	9025775
Patent Number:	8923377

CORRESPONDENCE DATA**Fax Number:**

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 208-327-8900

Email: docketing@burdickpatents.com

Correspondent Name: SEAN D. BURDICK

Address Line 1: 2537 W. STATE STREET

Address Line 2: SUITE 220

Address Line 4: BOISE, IDAHO 83702

NAME OF SUBMITTER:	SEAN D. BURDICK
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SIGNATURE:	/Sean D. Burdick/
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DATE SIGNED:	05/18/2020
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Total Attachments: 12

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PATENT
REEL: 052694 FRAME: 0307
WSOU-GOOALL-0000394

SCHEDULE J3:

CONFIRMATION OF ASSIGNMENT

DATE: August 22, 2017

Nokia Technologies Oy, a company validly organized and existing under the laws of Finland and having its principal address at Karakaari 7, 02610 Espoo, Finland, ("Assignor")

WSOU Investments LLC, a company validly organized under the laws of Delaware, having its principal address at 11150 Santa Monica Boulevard, Suite 1400 Los Angeles, CA 90025 ("Assignee").

I, the undersigned, representing above-named Assignor, hereby confirm as follows:

The Assignor was the owner of all rights in and to the patents identified in Exhibit A hereto (the "Assigned Patents").

On or about August 22, 2017, the Assignor assigned all rights in and to the Assigned Patents to the Assignee (the "Patent Assignment").

The Patent Assignment included, subject to all existing encumbrances (including without limitation, right and licenses of other parties), where, such existing encumbrances shall run with the Assigned Patents, the assignment to Assignee and its successors and onward assigns all right, title, and interest in and to the Assigned Patents, including without limitation all causes of action and other enforcement rights for damages, injunctive relief and any other remedies of any kind for past, current, and future infringement, subject to the terms, conditions and all existing encumbrances and which shall run with the Assigned Patents, to the extent such damages or relief hereinabove are not already paid, awarded or contractually owed to Assignor, its affiliates or any predecessor of Assignor or Assignor's affiliates.

This Confirmation of Assignment may be executed by the Parties in one or more counterparts, each of which when so executed shall be an original, but all such counterparts shall constitute one and the same instrument. Each Party intends that a facsimile of its signature printed from an unaltered scanned version of its original signature such as by a printer printing an unaltered Portable Document Format (PDF) file supplied by the Party be regarded as an original signature.

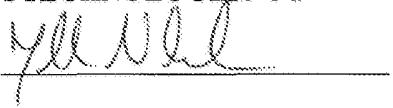
[signature page to follow]
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EXECUTION COPY

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be signed by its duly authorized officers.

ASSIGNOR:

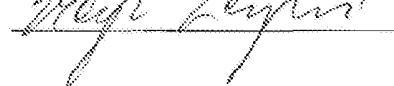
NOKIA TECHNOLOGIES OY

By: 

Name: Jukka Nihtilä
Authorized Signatory
Title: 27 Sept, 2013
Date: _____

ASSIGNOR:

NOKIA TECHNOLOGIES OY

By: 

Name: Merja Leväjärvi
Authorized Signatory
Title: _____
Date: 27 Sept, 2013

ACKNOWLEDGED BY ASSIGNEE

ASSIGNEE:

WSOU INVESTMENTS LLC

By: _____
Name: _____
Title: _____
Date: _____

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be signed by its duly authorized officers.

ASSIGNOR:

NOKIA TECHNOLOGIES OY

By: _____

Name: _____

Title: _____

Date: _____

ASSIGNOR:

NOKIA TECHNOLOGIES OY

By: _____

Name: _____

Title: _____

Date: _____

ACKNOWLEDGED BY ASSIGNEE

ASSIGNEE:

WSOU INVESTMENTS LLC

By: Stuart Shanus

Name: stuart shanus

Title: President

Date: 9/30/2019

EXHIBIT A OF SCHEDULE J3 – ASSIGNED PATENTS IN CONFIRMATION OF ASSIGNMENT

Family	Case Reference	Grant Number	Application Number	Publication Number	Issue Date	File Date	Title
55083	55083-US-NP	8223126	11/787474	20080259038	07/17/12	04/17/07	IMPROVEMENT TO SECURITY KEYGUARD.
73214	73214-US-NP	8331493	12/875472	20120058758	12/11/12	09/03/10	Bias Removal of Radio Link Quality Estimates
52723	52723-US-NP	7889266	11/598219	20080111910	02/15/11	11/10/06	Smart Image Capture with Auto Focus Cameras
52187	52187-US-NP	9467530	11/279281	20070239867	10/11/16	04/11/06	SYSTEM AND METHODS FOR SEAMLESS CONTENT SHARING
54503	54503-US-NP	7684346	11/647614	20080159163	03/23/10	12/29/06	BATTERY SAVING METHOD FOR ALWAYS-ON CONNECTIONS
46971	46971-US-NP	8102882	11/415725	20070258352	01/24/12	05/02/06	ORDERED LDPC CODED OFDM SYSTEM WITH ADAPTIVE POWER CONTROL WITH FIXED TRUNCATING RATIO IN MULTICARRIER COMMUNICATION
56505	56505-US-NP	8019383	11/624204	20080171567	09/13/11	01/17/07	APPARATUS AND METHOD TO EXTEND DMR COVERAGE WITH POC
53191	53191-US-NP	8385517	11/468189	20080056454	02/26/13	08/29/06	REPLY VIA ANOTHER CHANNEL
56153	56153-US-NP	7996222	11/536701	20080082333	08/09/11	09/29/06	NOVEL METHOD FOR PROSODY CONVERSION
43226	43226-US-NP	7417620	10/832110	20050237314	08/26/08	04/26/04	USING INVENTION NC19490 FOR HAPTICS PURPOSES E.G. AS A ROLLER BRAKE
50901	50901-US-NP	7403951	11/245859	20070083808	07/22/08	10/07/05	A METHOD FOR MEASURING SVG DOCUMENT SIMILARITY BY REDUCING THE DOCUMENTS TO THEIR MINIMAL LOGICAL REPRESENTATIONS AND THEN ANALYZING USING TREE ISOMORPHISM TECHNIQUES

**PATENT
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WSOU-GOOALL-0000398**

46783	46783-US-NP	8320924	11/440531	20070275729	11/27/12	05/25/06	A COORDINATED SCHEDULING METHOD FOR INTERFERENCE CONTROL WITHOUT INTER-CELL SIGNALLING
45424	45424-US-NP	7359361	10/978417	20060176860	04/15/08	11/02/04	MODIFICATIONS FOR THE STREAM HANDLING OF THE MBOA MAC IMPLICIT DRP PROTOCOL
45416	45416-US-NP	7254399	10/961092	20060077939	08/07/07	10/12/04	MODIFICATIONS FOR MBOA MAC DRP PROTOCOL
49038	49038-US-NP	7511467	11/250338	20070085525	03/31/09	10/14/05	LIGHTNING DETECTION WITH (MODIFIED) STEREO FM RECEIVER
50443	50443-US-NP	8731914	11/274612	20070112562	05/20/14	11/15/05	NOVEL METHOD FOR WINDING AUDIO CONTENT USING VOICE ACTIVITYDETECTION ALGORITHM
45400	45400-US-NP	7821997	11/080160	20060209762	10/26/10	03/15/05	HANDOVER ARANGEMENT FOR DVB-H RECEIVER
48724	48724-US-NP	7493030	11/165992	20060291844	02/17/09	06/24/05	ADAPTIVE OPTICAL PLANE FORMATION WITH ROLLING SHUTTER
34813	34813-US-NP	7398114	10/993078	20060111052	07/08/08	11/19/04	MOBILE STATION BODY COMPRISED OF STACKED ELEMENTS
35740	35740-US-NP	7072637	10/199271	20040014440	07/04/06	07/18/02	USING FILE ACCESS FREQUENCY TO MINIMIZE POWER CONSUMPTION BYOPTIMIZING LOCATION ON A ROTATING STORAGE MEDIUM
35089	35089-US-CIP	6760015	10/053531	20020080122	07/06/04	01/18/02	DEVICE WITH A TWO-SIDED KEYBOARD INSERT
28570	28570-US-NP	6728241	10/083795	20030161305	04/27/04	02/27/02	BOOLEAN PROTOCOL FILTERING
25210	25210-GB-NP	2364173	0016241.2	2364173	04/14/04	06/30/00	3 WAY SCROLL KEY (THIN)
28881	28881-US-NP	7448080	10/609011	20040268148	11/04/08	06/30/03	METHOD FOR IMPLEMENTING SECURE CORPORATE COMMUNICATION
31691	31691-CN-NP	20051000	20051000511	1811669	04/18/12	01/28/05	TWIN-BOX INPUT METHOD

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28578	28578-US-NP	6788690	10/186026	20040001488	09/07/04	06/27/02	PID SEARCH FILTERING
31653	31653-CN-NP	200510058	20051005891	1838041	05/02/12	03/24/05	STROKE FRONT-AND-END INPUT METHOD
31630	31630-US-NP	7788098	10/909462	20060025999	08/31/10	08/02/04	TONE ESTIMATION FOR NAME
32845	32845-US-NP	6535155	09/892971	20030001764	03/18/03	06/27/01	A METHOD AND CIRCUITRY FOR BREAKING THE TONES OF THE CYCLICDEM ALGORITHMS
37402	37402-US-NP	7684753	10/895816	20060019602	03/23/10	07/21/04	METHOD FOR SELECTING TRANSMISSION PARAMETERS BASED ON AN UPPER BOUND TO THE TOTAL CHANNEL ENERGY
34155	34155-US-NP	6910191	09/985307	20030090524	06/21/05	11/02/01	TV GUIDE USING NAVIBARS CROSS
34124	34124-US-NP	8375411	09/891380	20030005448	02/12/13	06/27/01	EPG WITH REMINDER FUNCTION
33168	33168-US-NP	6707855	10/177648	20030235261	03/16/04	06/20/02	A DIGITAL DELTA-SIGMA MODULATOR IN THE FRACTIONAL N SYNTHESIZER
32885	32885-US-NP	7269449	09/998849	20030078014	09/11/07	10/24/01	PERSONALISATION OF KEYBOARD BY MEANS OF APPLICATION SPECIFICKEYMAT ON TOP OF EXISTING KEYBOARD CIRCUITY
32363	32363-US-NP	6630925	09/702539		10/07/03	10/31/00	DOUBLE-SIDED KEYBOARD UTILIZING A SINGLE DOME SHEET
33201	33201-US-NP	6985137	09/928929	20030034185	01/10/06	08/13/01	TOUCH SCREEN LOCK TO DISABLE ACCIDENTAL INPUT
#####	33200-US-NP	6927384	09/928967	20030034439	08/09/05	08/13/01	HALIOS TOUCH PAD IN A WIRELESS TELECOMMUNICATION TERMINALL
32303	32303-US-NP	6542436	09/608090		04/01/03	06/30/00	ACOUSTICAL PROXIMITY DETECTION
18656	18656-US-NP	6907568	09/828763		06/14/05	04/09/01	A CARD TO RESTORE NETWORK OBJECTS OF ARBITRARY SIZE

PATENT
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WSOU-GOOALL-0000400

23366	23366-US-NP	7424299	09/658731		09/09/08	09/11/00	METHOD TO REDUCE THE NEED OF MEASUREMENTS IN A DYNAMIC CHANNEL ALLOCATION SYSTEM.
24985	24985-FI-NP	108582	20001017		02/15/02	05/02/00	SERIAL BUS CONTROLLED SMART KEYPAD ILLUMINATION
27344	27344-US-NP	6675219	09/431071		01/06/04	11/01/99	TECHNIQUE FOR IMPROVING THROUGHPUT OF A GATEWAY INTERFACE
25460	25460-CN-NP	ZL991203	99120322.4	1288343	02/18/04	09/15/99	SMART PINYIN INPUT
18817	18817-US-NP	6928410	09/707088		08/09/05	11/06/00	MUSICAL MODIFICATION OF JAPANESE SPEECH OUTPUT
17686	17686-US-NP	7725600	10/770881	20050172014	05/25/10	02/03/04	ADDRESS MANAGEMENT IN A FLAT STRUCTURE MOBILE NETWORK
17413	17413-US-NP	6798773	09/987198	20030091021	09/28/04	11/13/01	PHYSICALLY SCOPED MULTICAST IN MULTI-ACCESS WIRELESS NETWORKS
15921	15921-US-NP	6737933	10/047017	20030132814	05/18/04	01/15/02	A CIRCUIT TOPOLOGY FOR LOW LOSS ATTENUATOR AND SWITCH CIRCUITS OPERATING AT MICROWAVE AND MILLIMETER WAVE FREQUENCIES
15941	15941-US-NP	6771619	09/782032	20020110110	08/03/04	02/14/01	AUTOMATIC DETECTION AND MODIFICATION OF CHANNEL USAGE
4216	04216-US-NP	7376625	10/000645	20050005286	05/20/08	11/15/01	ACTIVATING SW MODULES ON SELECTED RECEIVERS IN DVB BROADCAST ENVIRONMENT
72884	72884-US-NP	8966377	12/860561	20120047443	02/24/15	08/20/10	Endless Mobile Desktop
61209	61209-US-NP	7941754	11/770894	20090006609	05/10/11	06/29/07	EMAIL DISTRIBUTION INDICATOR
29634	29634-FR-EPA	1152442	01660075.1	1152442	07/25/07	04/26/01	KEYPAD DESIGN FOR LOW POWER KEY ILLUMINATION
29634	29634-DE-EPA	60129502	01660075.1	1152442	07/25/07	04/26/01	KEYPAD DESIGN FOR LOW POWER KEY ILLUMINATION
29634	29634-NL-EPA	1152442	01660075.1	1152442	07/25/07	04/26/01	KEYPAD DESIGN FOR LOW POWER KEY ILLUMINATION

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REEL: 052694 FRAME: 0314
WSOU-GOOALL-0000401

29634	29634-GB-EPA	1152442	01660075.1	1152442	07/25/07	04/26/01	KEYPAD DESIGN FOR LOW POWER KEY ILLUMINATION
57041	57041-US-NP	8065429	11/823660	20090004974	11/22/11	06/28/07	SYSTEM AND METHOD FOR SUCCESS RATE IN SERVICES
60248	60248-US-NP	7751135	11/999254	20090141372	07/06/10	12/03/07	Digital Camera Piezoelectric Bimorph Auto Focus motor drive
50925	50925-US-PCT	8761709	12/224710	20090023404	06/24/14	03/01/06	OFDM RECEIVER WITH IMPROVED INTERFERENCE PERFORMANCE WITH OTHER TRANSCEIVER
64856	64856-US-NP	8195452	12/138084	20090313027	06/05/12	06/12/08	Low bit-rate quantization tool for superwideband speech and audio codec
70195	70195-US-NP	8290516	12/571988	20110081922	10/16/12	10/01/09	Using Cell Broadcast Service and Crowd sourcing for constructing location connectivity graphs
63749	63749-US-NP	8401565	12/125470	20090291664	03/19/13	05/22/08	Delayed Emergency Position
63995	63995-US-NP	8291052	12/144726	20090319645	10/16/12	06/24/08	Network and content aware information management in heterogeneous network environment
62407	62407-US-NP	8761082	12/070097	20090207894	06/24/14	02/14/08	A Method of Distributed Synchronization and Estimation/Control in Cognitive Radio Networks
66680	66680-US-NP	8495749	12/355063	20100186090	07/23/13	01/16/09	METHOD FOR USING DVB CPCM TO PROTECT PERSONAL CONTENT
66867	66867-US-NP	8856226	12/362956	20100199287	10/07/14	01/30/09	Method to Link Electronic Business Cards to (Historical) Contextual Information on Mobile Devices
66996	66996-US-NP	8199939	12/321513	20100183174	06/12/12	01/21/09	Structure of MEMS microphone with sound port on the top of package
70597	70597-US-NP	8892101	12/623991	20110124340	11/18/14	11/23/09	Qout assisted rescue handover
71100	71100-US-NP	8789204	12/645013	20110154130	07/22/14	12/22/09	XSS solution with developer key - based access hardening
70443	70443-US-NP	8335819	12/651089	20110161403	12/18/12	12/31/09	A method for client side persistency
56984	56984-US-PCT	8817626	12/530296	20100120467	08/26/14	03/08/07	DVB-T2/H2 GSM INTEROPERABILITY SOLUTION
70439	70439-US-NP	8724648	12/570165	20110075684	05/13/14	09/30/09	Control Signalling Design for LTE Backhaul Link
70111	70111-US-NP	8248997	12/542639	20110039574	08/21/12	08/17/09	RSTD method for Improved RS Hearability in OTDOA
69838	69838-US-NP	8737961	12/565573	20110070863	05/27/14	09/23/09	iLoc: A Computational Framework for Incremental Location-State Acquisition and Prediction based on Mobile Sensors

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WSOU-GOOALL-0000402

72074	72074-US-NP	8266551	12/813248	20110307841	09/11/12	06/10/10	Granular reflective process migration based liquid user interface
71803	71803-US-NP	8489600	12/710990	20110208722	07/16/13	02/23/10	Multi-phase probabilistic tagging for segmentation and summaries of media items
61393	61393-US-PCT	8942638	12/745406	20100311347	01/27/15	11/28/07	Method for identifying people and objects appearing on a picture
74340	74340-US-NP	9144098	12/931973	20120207100	09/22/15	02/14/11	REAL-TIME GAMING AND OTHER APPLICATIONS SUPPORT FOR D2D COMMUNICATIONS
73840	73840-US-NP	8983763	12/887947	20120072100	03/17/15	09/22/10	A method and apparatus for map creation with multiple users
74250	74250-US-NP	8351555	13/020168	20120201285	01/08/13	02/03/11	SINR Estimation for HSDPA MIMO receiver for the case of using S-CPICH as phase reference
76128	76128-US-NP	9218605	13/238334	20130073485	12/22/15	09/21/11	Recommendation Service Framework for Dual-SIM/Multi-SIM devices
76040	76040-US-NP	9245051	13/237175	20130073583	01/26/16	09/20/11	A method for merging and grouping detected multiple text regions for OCR preprocessing
75394	75394-US-NP	8803697	13/107090	20120286965	08/12/14	05/13/11	Mobile radar assisted control for incoming calls
78553	78553-US-NP	9055404	13/476693	20130309972	06/09/15	05/21/12	Wave to Share: Seamless Content Sharing and Transfer Through Proximity Sensing and Gesturing
78243	78243-US-NP	9294883	13/409404	20130231151	03/22/16	03/01/12	More criteria to Probe Request and Response Exchange
71012	71012-US-PCT	8914656	13/517972	20120260111	12/16/14	12/23/09	Energy accounting for mobile Web runtime
76671	76671-US-NP	8811207	13/284137	20130107816	08/19/14	10/28/11	Methods for allocating Control Data to User Equipment
71223	71223-US-PCT	9307550	13/521349	20130012221	04/05/16	01/19/10	eNB-controlled Centralized Resource Reuse for D2D and Cellular Users
59013	59013-US-PCT	9258354	13/881950	20140237083	02/09/16	10/31/11	PROGRESSIVE MULTIMEDIA SYNCHRONIZATION SYNCHRONISATION MULTIMÉDIA PROGRESSIVE
84769	84769-US-NP	9398437	14/107250	20150172902	07/19/16	12/16/13	NAN service discovery with BT LE device filtering and SID based device addresses
88117	88117-DE-NP	19916063	19916063.5		07/13/00	04/09/99	VERFAHREN UND FUNK-KOMMUNIKATIONSSYSTEM ZUR SYNCHRONISATION VON TEILNEHMERSTATIONEN
88236	88236-US-NP	8248941	12/012338	20090196177	08/21/12	02/01/08	METHOD, APPARATUS AND COMPUTER PROGRAM FOR UPLINK SCHEDULING IN A NETWORK THAT EMPLOYS RELAY NODES

PATENT
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88258	88258-US-NP	8724525	12/204789	20100054172	05/13/14	09/04/08	FRAME SYNCHRONIZATION USING BIDIRECTIONAL TRANSMIT AND RECEIVE ZONES
88199	88199-CN-NP	919951	20061013744	101170797	03/14/12	10/25/06	Listen-and-help deployment for relay stations in wireless cellular systems
88234	88234-US-NP	8717966	12/071153	20090207778	05/06/14	02/15/08	SYMMETRICAL COOPERATIVE DIVERSITY IN THE RELAY-ENABLED WIRELESS SYSTEMS
17537	17537-US-DIV	7126998	11/221511	20060067414	10/24/06	09/08/05	A TECHNIQUE TO ENABLE USE OF EFFICIENT AMPLIFIERS WITH PARTIAL RESPONSE SIGNALING IN WIRELESS OFDM SYSTEMS
17659	17659-US-NP	7173961	10/793017	20040170228	02/06/07	03/03/04	FREQUENCY DOMAIN PARTIAL RESPONSE SIGNALING WITH HIGH SPECTRAL EFFICIENCY AND VERY LOW PAPR
37013	37013-US-NP	7006811	10/375591	20040171364	02/28/06	02/27/03	SWITCH-OFF FOR INTERFERENCE SUPPRESSIVE RECEIVER
52769	52769-US-NP	7973823	11/648131	20080158375	07/05/11	12/29/06	Multi-pass pre-processing and image statistics with compressed memory access
48042	48042-US-NP	7991176	10/999842	20060115090	08/02/11	11/29/04	A STEREO WIDENING NETWORK FOR TWO CLOSELY SPACED LOUDSPEAKERS
56563	56563-US-NP	7983309	11/624836	20080175276	07/19/11	01/19/07	IMPROVED BUFFERING DELAY ESTIMATION FOR ADAPTIVE JITTER BUFFER MANAGEMENT
55829	55829-US-NP	7870377	11/672064	20080189540	01/11/11	02/07/07	DVBH - AUTOMATIC AIR INTERFACE SELECTION
41415	41415-US-NP	8060913	11/591484	20080109868	11/15/11	11/02/06	MICRO INTERPRETER FOR DYNAMIC POLICY EXECUTION
50877	50877-US-NP	7937417	11/402283	20070239687	05/03/11	04/11/06	ADAPTABLE RANDOM PLAY
45117	45117-US-NP	7894823	10/862774	20050271021	02/22/11	06/07/04	SYSTEM FOR ENHANCED VOICE CAPACITY AND QUALITY OVER WLAN
48725	48725-US-NP	8045047	11/166790	20060290796	10/25/11	06/23/05	MULTI-SCALE RAW CAMERA DATA
45551	45551-US-NP	8027288	11/111869	20060239220	09/27/11	04/22/05	REDUCING BEACON SLOT ACQUISITION TIME IN DISTRIBUTED MAC UNDER CRITICAL DEVICE POPULATION CONDITIONS

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37524	37524-US-NP	7254484	11/251258	20070088504	08/07/07	10/14/05	UTILIZATION OF AUDIO CODEC IN LIGHTNING DETECTION IN MOBILEDEVICES
37135	37135-US-NP	7200418	10/795209	20050197070	04/03/07	03/04/04	LIGHTNING DISTANCE METER FEATURE FOR MOBILE TERMINALS
32619	32619-US-PCT	7197318	10/475825	20040121777	03/27/07	04/26/01	COMBINED SERVICE AND LOAD BASED INTERFREQUENCY (WCDMA <-> WCDMA) AND INTERSYSTEM (WCDMA <-> GSM/EDGE) HANDOVERS
34981	34981-US-NP	8065408	10/881696	20060047803	11/22/11	06/30/04	LISTENER-SOLUTION TO DYNAMIC DEVICE IP ADDRESS PROBLEM
23656	23656-US-PCT	7146168	10/499000	20050119003	12/05/06	12/19/01	IP RAN STRATEGIES FOR SSDT
28728	28728-US-NP	7260074	10/334822	20040125769	08/21/07	12/31/02	HANDOVER DECISION FOR IP SERVICES IN DVB NETWORK BASED ON THE PRIORITY ORDER OF IP STREAMS
19755	19755-US-NP	7280482	10/286477	20040203827	10/09/07	11/01/02	DYNAMIC LOAD BALANCING USING LOCALIZED INFORMATION
60820	60820-US-NP	7873011	11/891148	20090040928	01/18/11	08/08/07	Bi-directional Resource Allocation to decrease signaling for retransmissions
62680	62680-US-NP	8032330	12/074952	20090228240	10/04/11	03/07/08	Electromagnetic interference sensor for low-end diagnostic monitoring of devices
60746	60746-US-NP	9170649	12/005830	20090167701	10/27/15	12/28/07	Desktop material simulation using a piezoelectric actuator
65167	65167-US-NP	8010669	12/251971	20100094922	08/30/11	10/15/08	Enabling Dual-Mode Communication via DCCI Models
65560	65560-US-NP	9189256	12/274953	20100125654	11/17/15	11/20/08	Multiple SIM Card Management and Device Setup
68646	68646-US-NP	9047267	12/431908	20100281350	06/02/15	04/29/09	Auto-generating visual writing guidance and hints for handwriting mathematical expression recognition systems
68507	68507-US-NP	8966090	12/424232	20100268775	02/24/15	04/15/09	API notification to suggest the use of a UDP port when a reliable D2D connection is available.

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69700	69700-US-NP	9117203	12/552095	20110055335	08/25/15	09/01/09	Method of augmenting social networking service interactions with person-to-person text/MMS message sessions, to increase audience reach and social inclusiveness
72635	72635-US-NP	9111255	12/872724	20120054691	08/18/15	08/31/10	Shared friends view in gallery (pre-reviewed by Jette Jensen and Morten Ovi) Intelligent UI project
71964	71964-US-NP	9055512	12/761384	20110255425	06/09/15	04/15/10	Network assisted secondary usage in future cellular system
62814	62814-US-PCT	9025775	13/002486	20110103591	05/05/15	07/01/08	Binaural audio image enhancement
75618	75618-US-NP	8923377	13/106937	20120288032	12/30/14	05/13/11	HSPA MIMO receiver for imbalanced transmit signal
81785	81785-GB-NP		1318531.9	2519364		10/21/13	Pure Imaging

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